PRODUCT DATASHEET

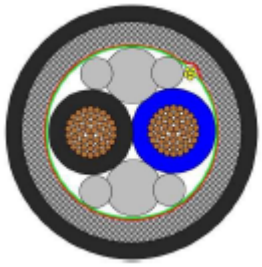
PW-S-05S1-J

Power Connect cable 5,3 mm² for connection of one RRU

RFS' HYBRIFLEX ™ cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRU deployments. It was developed to reduce installation complexity and cost at Cellular sites.

HYBRIFLEX™ cabling solutions allows mobile operators deploying RRU architecture to standardized installation process and eliminates the need for and the cost of cable grounding.

The **HYBRIFLEX**™ Power Connect cable **PW-S-05S1-J** consists of one unshielded pair DC wires protected by a corrugated Aluminum armor.



FEATURES / BENEFITS

- UV resistant jacket
- Comply with IEC 60228
- Flexible

Technical features

STRUCTURE

Cable Type		HYBRIFLEX™ Power Cable
Size		1/2
Fire Performance		PE

DC POWER CABLE SPECIFICATIONS

Number of DC Pairs		1
Maximum DC-Resistance Power Cable	Ω/km (Ω/kft)	3.48 (1.06)
Cross Section of Power Cable	mm² (AWG)	5.3 (10)
Shielding		Corrugated Aluminium Armor
DC Wire Jacket Material		UV stable black PE
DC Wire Jacket Thickness	mm (in)	0.65 (0.025)
DC Cable Single Bending Radius	mm (in)	53 (2.1)
DC Cable Diameter	mm (in)	4.4 (0.17)
DC Cable Jacket		UV stable black MDPE
DC Standards (Meets or Exceeds)		IEC 60228

MECHANICAL SPECIFICATIONS

Cable Weight	kg/m (lb/ft)	0.3 (0.2)
Minimum Bending Radius, (Operating)	mm (in)	160 (6.3)
Minimum Bending Radius, (Installation)	mm (in)	220 (8.66)
Recommended / Maximum Clamp Spacing	m (ft)	0.8 / 1 (2 / 3.25)

CABLE JACKET

UV-Protection Individual and External Jacket		Yes
Jacket Material		UV stable black PE
Outer Diameter Nominal	mm (in)	15.8 (0.62)

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

ARMOR SPECIFICATIONS

Armor Type		Corrugated aluminium armor

F/O CABLE SPECIFICATIONS

F/O Cable Type		HYBRIFLEX™ Power Cable
Cable Diameter mm (in)		4.4 (0.17)

TESTING AND ENVIRONMENTAL

Storage Temperature	°C (°F)	-40 to 85 (-40 to 185)
Operation Temperature	°C (°F)	-40 to 85 (-40 to 185)
Installation Temperature	°C (°F)	-20 to 50 (-4 to 122)

External Document Links

Notes

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